

FIELD ENGINEERING BULLETIN

WY-60 FLYBACK UPGRADE

DESCRIPTION

This bulletin releases the new Flyback Upgrade Kit for the WY-60 product. The upgrade kit improves overall reliability of the WY-60 Main Board Assembly by replacing the General Instruments RGP5100 diode, which supports G2 (screen voltage), with a UF4007 diode, and replacing the BU406 transistor with a 2SC2898 transistor. The Flyback transformer is also changed in this procedure.

SYMPTOMS

One or more of the following components on the WY-60 Main Board Assembly have failed:

- 1) The General Instruments RGP5100 diode at location D203
- 2) The BU406 Transistor at location Q202
- 3) The Flyback Transformer

PRODUCTS AFFECTED

WY-60

REVISION LEVEL

920064-01 Rev. A

Flyback Upgrade Kit, WY-60

Note: This FEB must be performed by a WYSE Service Center or a WYSE Authorized Service Center. For service in the USA, contact the WYSE RMA Department at 800-626-3160. Customers in all other countries are to contact their local WYSE Service Center.

RECOMMENDED PARTS

920064-01 Rev. A

Flyback Upgrade Kit, WY-60

Qty: 1

The Flyback Upgrade Kit contains the following parts:

272032-01 Transistor, 2SC2898, (Q202)
283730-01 Diode, UF4007, (D203)
420016-01 Flyback Transformer, (T202)

Qty: 1

Qty: 1

Qty: 1

PRODUCT	SOURCE	AUTHOR/VERIFY	STATUS	FEB REVISION DATE	FEB NUMBER	ACTION PRIORITY	PAGE
WY-60	ECN-4046	J.G. <i>Bjm</i>	FINAL	NOV. 28, 1989	0268	REQUIRED <input type="checkbox"/> OPTIONAL <input type="checkbox"/> SPECIAL/OEM <input type="checkbox"/> ADVISORY <input checked="" type="checkbox"/>	1 of 3

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STOCK DISPOSITION

TABLE 1 - Stock and Service Disposition

LOCATION		
PART NUMBER	SPARES	SERVICE
920064-01	Stock	Stock

LEGEND

- ☒ STOCK - Continue or start to stock this part.
- ☒ PURGE - Purge all stock of this part.
- ☒ REWORK - R - Required rework.
- ☒ REWORK - O - Optional rework.
- ☒ N/A - Not applicable.
- ☒ USE NTE (DATE) - Use remaining stock but do not keep past the specific date.

RECOMMENDED TOOLS

Phillips Screwdriver
Soldering Station
Needlenose Pliers
Diagonal Cutters
Alligator Clips
Insulated Flat Blade Screwdriver - 12 in.

INSTRUCTIONS

- IMPORTANT:**
- Recommendation — Replace the Main Board Assembly for any board related problem.
 - If component level repair is desired, follow the steps in this bulletin.
 - Although one or more of the components specified in the instructions below appear to be functioning properly, they must all be replaced.

- NOTE:** Before beginning this procedure, familiarize yourself with the following cautions:
- Handle circuit boards by their edges.
 - Follow acceptable ESD precautions when handling circuit boards and components.
 - Be careful not to lift any traces when working on the board.
 - Remove all flux residue.

- Remove the Main Board Assembly from the unit. Refer to the WY-60 Maintenance Manual Page 2-11 for the removal procedure.
- Replace the RGP5100 diode (P/N 283703-01) at location D203 with the new UF4007 diode (P/N 283730-01).

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3. Replace the flyback transformer at location T202 with the new transformer (P/N 420016-01).
4. Replace the BU406 transistor (P/N 272000-01) at location Q202 with the new 2SC2898 transistor (P/N 272032-01).

IMPORTANT: Thermal compound must be used between the transistor, the heat sink, and the insulator to insure good heat transfer at the time the transistor change is implemented.

5. Re-assemble the unit.
6. Update the schematics and the parts list to reflect the change.

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